

IN THE CLAIMS

1. (Currently Amended) An interventional procedure simulation system, comprising a control unit and an interface unit, said control unit communicating with said interface unit to simulate handling of at least one instrument interfaced by said interface unit, ~~characterised in~~ wherein that said instrument is a self expanding tool inserted inside a simulated vessel and simulated with respect to a set value representing an stiffness of said vessel, a rest diameter of said self expanding tool, a vessel initial inner diameter and spring constant for said tool.

2. (Previously Presented) The system of claim 1, wherein said instrument is a stent.

3. (Previously Presented) The system of claim 1, wherein said instrument is a distal protection device.

4. (Currently Amended) The system of claim 3, wherein said distal protection device (30) comprises a substantially double cone (31, 32) attached at two ends to a wire (33), and covered by a sheath.

5. (Currently Amended) The system of claim 4, wherein a distal part of one cone is a net (34) for simulating catching particles that can be set free during an intervention simulation.

6. (Previously Presented) A method of simulating in an interventional procedure simulation system, comprising a control unit and an interface unit, said control unit communicating with said interface unit to simulate handling of at least one instrument interfaced by said interface unit, the method comprising:

- providing a said instrument as a self expanding tool inserted inside a simulated vessel, and
- simulating said instrument with respect to a set value representing an stiffness of said vessel, a rest diameter of said self expanding tool, a vessel initial inner diameter and spring constant for said tool.

REMARKS

It should be noted that the amendments to original claims 1-6 of the present application are non-narrowing amendments, made solely to place the claims in proper form for U.S. practice and not to overcome any prior art or for any other statutory considerations. For example, amendments have been made to broaden the claims; remove reference numerals in the claims; remove the European phrase “characterized in that”; remove multiple dependencies in the claims; and to place claims in a more recognizable U.S. form, including the use of the transitional phrase “comprising” as well as the phrase “wherein”. Again, all amendments are non-narrowing and have been made solely to place the claims in proper form for U.S. practice and not to overcome any prior art or for any other statutory considerations.